

180 PROJECT DEPTH

q	QDOT (PUSHING)
s	LIGHT CYCLE SECONDS

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 242.4 FEET IGLD 1985.
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983/2011 NEW YORK STATE PLANE COORDINATE SYSTEM—EAST ZONE.
3. PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
4. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. DELL AND PARTY ON SEPTEMBER 28 & 29, 2021 USING:  
REAL TIME KINEMATIC GPS POSITIONING  
SONAR HEAD: 200 KHZ, R2 SONIC 2024 MULTIBEAM  
1.0 DEGREE BEAMS 150 DEGREE ARC  
HEAVE PITCH AND ROLL: APPLANIX POS—MV VER. 5  
VELOCITY PROFILER; CASTAWAY CTD  
HYPACK SURVEY SOFTWARE  
SURVEY LAUNCH "MONSON"
5. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.
6. AERIAL IMAGERY SHOWN WAS OBTAINED THROUGH THE NEW YORK STATE GIS CLEARINGHOUSE.
7. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003.



CHANNEL	CORNER COORDINATES	
POINT	NORTHING	EASTING
400	2140985.73	210148.38
401	2139601.09	216224.91
402	2139091.01	213940.88
404	2139023.44	213273.00
405	2139039.32	213273.00
421	2139059.64	2132921.32
419	2138659.22	212696.73
417	2137856.89	212639.53
415	2137718.39	212947.93
413	2137668.27	213150.37
411	2137538.44	213115.87
409	2137405.58	213019.87
407	2137559.91	213215.55
405	2138296.69	213609.55
403	2139232.54	213029.83
401	2140252.68	213098.09



US Army Corps  
of Engineers  
Buffalo District


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<p align="center"><b>*** COPY OF SIGNED ORIGINAL ***</b></p>	Drawn by: KPL
	Checked by: ACK
	Reviewed by:
	Roman H. Figler III PLS
	Chief, Survey Section
<p align="center"><b>*** COPY OF SIGNED ORIGINAL ***</b></p>	Approved by:
	Adam W. Hamm, PE
<p align="center">Chief, NYSPA Navigation and Maintenance Section</p>	

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
BUFFALO, NEW YORK 14207-3199

OGDENSBURG HARBOR, NY

PROJECT CONDITIONS SOUNDINGS 2021

SCALE: 1"=200'

Sheet  
reference  
number  
**MH-1C**

Sheet 1 of 4





DEPTHS 0.1' OR MORE  
ABOVE PROJECT DEPTH

DEPTHS AT OR BELOW  
PROJECT DEPTH

18.0 PROJECT DEPTH

SITE SPECIFIC NOTES:

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SONAR HEAD: 200 KHZ, R2 SONIC 2024 MULTIBEAM  
1.0 DEGREE BEAMS 150 DEGREE ARC  
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CHANNEL	CORNER COORDINATES	
POINT	NORTHING	EASTING
408	2140578.72	238866.78
412	2141477.50	235017.09
1008	2141701.66	235112.44
XX	2141490.27	235353.98
1017	2141506.66	235315.43
427	2140929.98	235154.78
425	2140301.25	234085.56

[illegible]

**\*\* COPY OF SIGNED ORIGINAL \*\***

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Reviewed by:	
	Roman H. Figler III PLS
	Chief, Survey Section
Approved by:	
	Adam W. Hamm, PE
	Chief, NY/PA Navigation

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
BUFFALO, NEW YORK 14207-3199

OGDENSBURG HARBOR, NY

PROJECT CONDITIONS SOUNDINGS 2021

SCALE: 1"=200'

Sheet  
reference  
number

Sheet 2 of 4

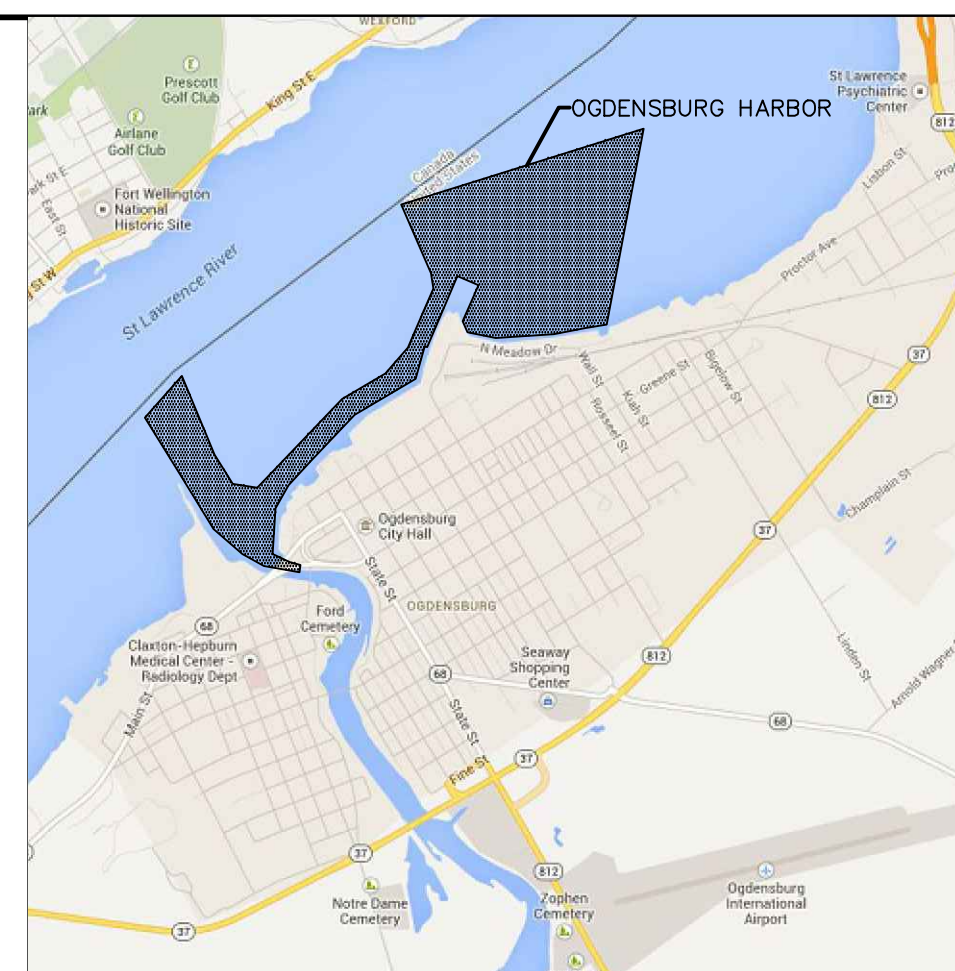




## 18.0 PROJECT DEPTH

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US Army Corps  
of Engineers  
Buffalo District

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Chief, NY/PA Navigation and Maintenance Section

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
BUFFALO, NEW YORK 14207-3199

ROGGENSBURG HARBOR, NY

PROJECT CONDITIONS SOUNDINGS 2021

SCALE: 1"=200'

Sheet  
reference  
number




Sheet 3 of 4













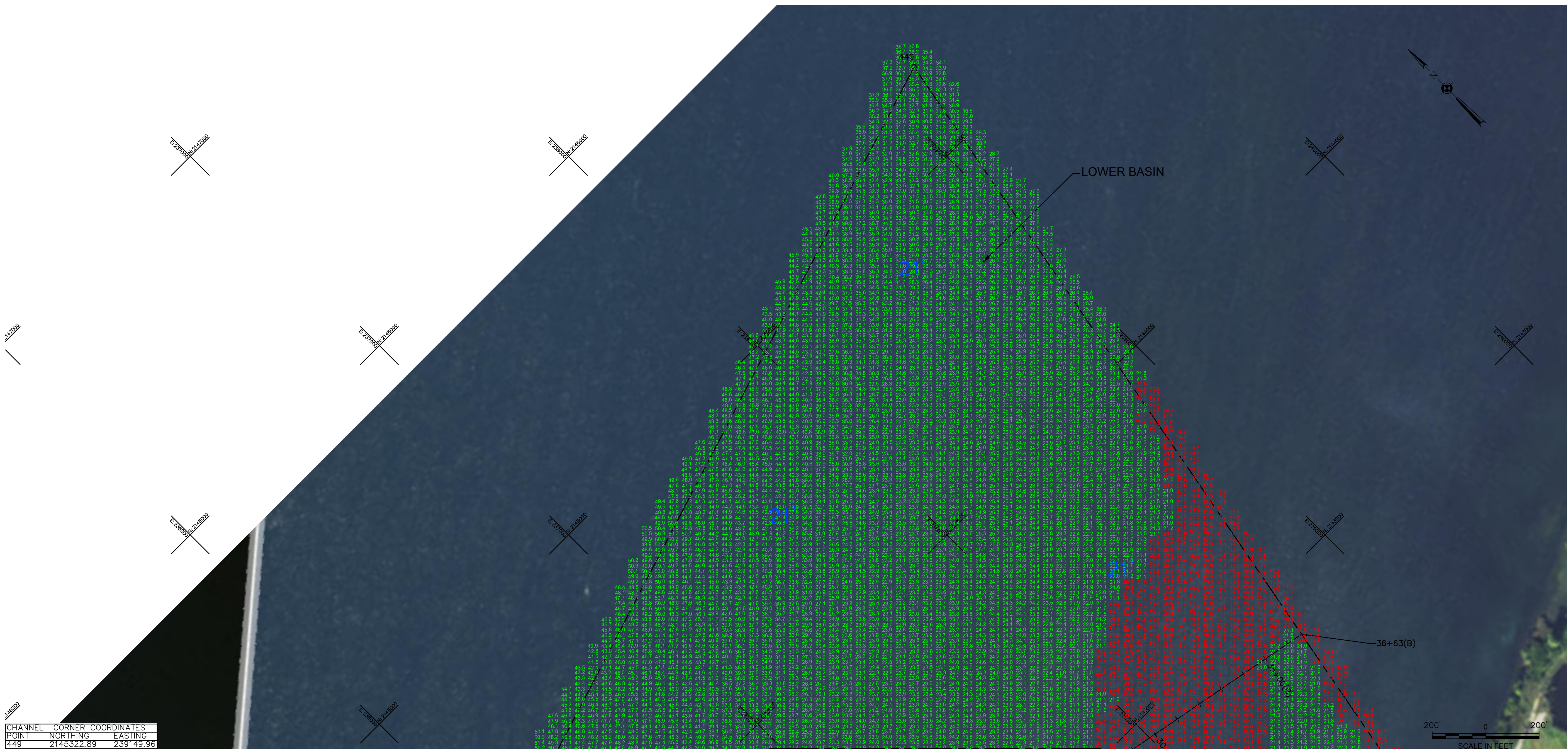
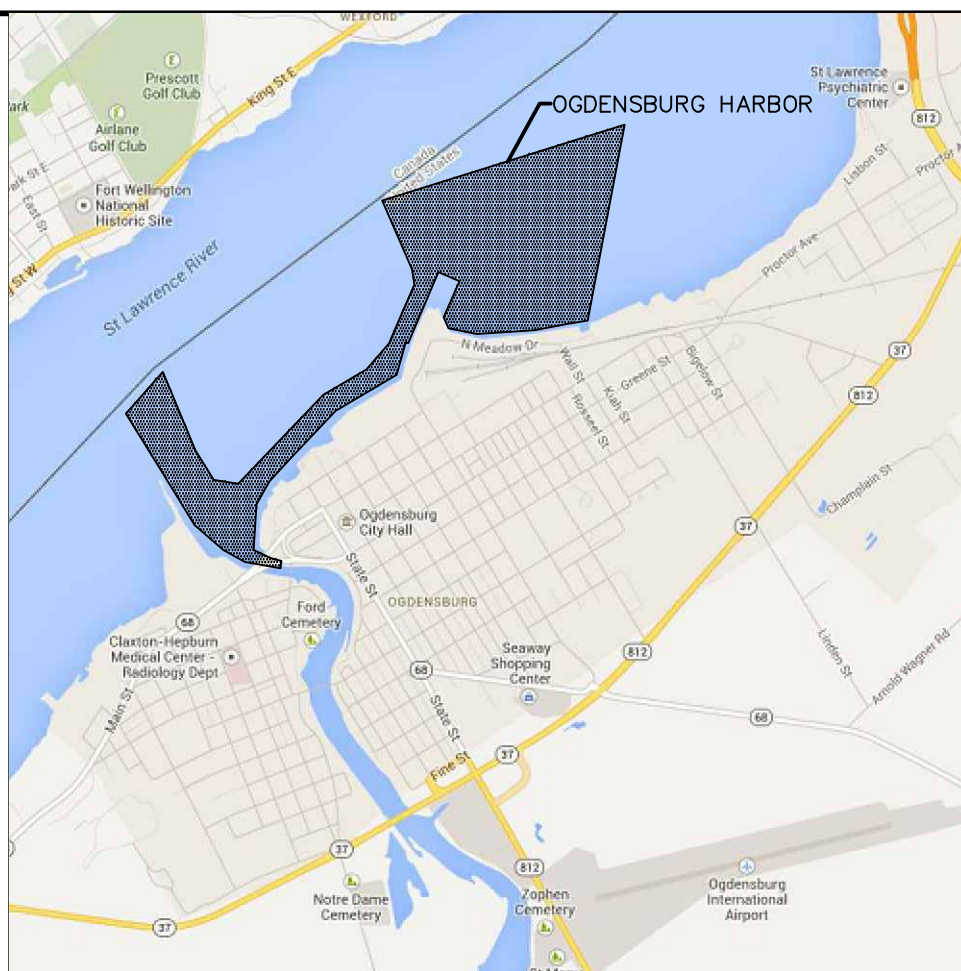
### SOUNDING COLOR LEGEND

 DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH  
 DEPTHS AT OR BELOW PROJECT DEPTH  
 PROJECT DEPTH

LEGEND OF SYMBOLS	
17+00 (NEW), 17+00 (OLD)	CHANNEL STATIONING
o 417	CHANNEL CORNER
⊙ H.L.F.	HARBOR LINE CORNER
— — — — —	FEDERAL CHANNEL
— — — — —	HARBOR LINE
— — — — —	SUBMARINE CABLE
	CAN BUOY
	NUN BUOY
	LIGHTED BUOY
	FIXED LIGHT
	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Oc	OCCULTING LIGHT
iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

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US Army Corps  
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U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS BUFFALO, NEW YORK 14207-3199		Drawn by: KPL Checked by: AGK Reviewed by: Roman H. Fidler III PLS Chief, Survey Section Approved by: Adm W. Hamm, PE Chief, NY/PA Navigation and Maintenance Section		** COPY OF SIGNED ORIGINAL **
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OGDENSBURG HARBOR, NY

PROJECT CONDITIONS SOUNDINGS 2021

SCALE: 1" = 200'

Sheet  
reference  
number  
**VH-104**  
Sheet 4 of 4

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